

**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR UTILITY PATENT APPLICATION**

Attorney's Docket No.

016660-021

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (if more than one name is listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED:

ACETYLENE POLYMERS AND THEIR USE AS LIQUID CRYSTALS

the specification of which

(check one)

☐

is attached hereto;

☒

was filed on July 14, 1999 as

Application No. \_\_\_\_\_

and was amended on \_\_\_\_\_;  
(if applicable)

I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE;

I ACKNOWLEDGE THE DUTY TO DISCLOSE TO THE OFFICE ALL INFORMATION KNOWN TO ME TO BE MATERIAL TO PATENTABILITY AS DEFINED IN TITLE 37, CODE OF FEDERAL REGULATIONS, Sec. 1.56 (as amended effective March 16, 1992);

I do not know and do not believe the said invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States of America more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to said application;

I hereby claim foreign priority benefits under Title 35, United States Code Sec. 119 and/or Sec. 365 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application(s) on which priority is claimed:

COMBINED DECLARATION AND POWER OF ATTORNEY			Attorney's Docket No. 016660-021							
COUNTRY/INTERNATIONAL	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED							
			YES_ NO_							
			YES_ NO_							
<p>I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"> William L. Mathis Robert S. Swecker Platon N. Mandros Benton S. Duffett, Jr. Norman H. Stepno Ronald L. Grudziecki Frederick G. Michaud, Jr. Alan E. Kopecki Regis E. Slutter Samuel C. Miller III Robert G. Mukai George A. Hovanec, Jr. James A. LaBarre E. Joseph Gess </td> <td style="width: 10%; text-align: center;"> 17,337 19,885 22,124 22,030 22,716 24,970 26,003 25,813 26,999 27,360 28,531 28,223 28,632 28,510 </td> <td style="width: 33%;"> R. Danny Huntington Eric H. Weisblatt James W. Peterson Teresa Stanek Rea Robert E. Krebs William C. Rowland T. Gene Dillahunty Patrick C. Keane Bruce J. Boggs, Jr. William H. Benz Peter K. Skiff Richard J. McGrath Matthew L. Schneider Michael G. Savage </td> <td style="width: 10%; text-align: center;"> 27,903 30,505 26,057 30,427 25,885 30,888 25,423 32,858 32,344 25,952 31,917 29,195 32,814 32,596 </td> <td style="width: 14%;"> Gerald F. Swiss Michael J. Ure Charles F. Wieland III Bruce T. Wieder Todd R. Walters Ronni S. Jillions Harold R. Brown III Allen R. Baum Steven M. du Bois Brian P. O'Shaughnessy </td> <td style="width: 10%; text-align: center;"> 30,113 33,089 33,096 33,815 34,040 31,979 36,341 36,086 35,023 32,747 </td> </tr> </table>					William L. Mathis Robert S. Swecker Platon N. Mandros Benton S. Duffett, Jr. Norman H. Stepno Ronald L. Grudziecki Frederick G. Michaud, Jr. Alan E. Kopecki Regis E. Slutter Samuel C. Miller III Robert G. Mukai George A. Hovanec, Jr. James A. LaBarre E. Joseph Gess	17,337 19,885 22,124 22,030 22,716 24,970 26,003 25,813 26,999 27,360 28,531 28,223 28,632 28,510	R. Danny Huntington Eric H. Weisblatt James W. Peterson Teresa Stanek Rea Robert E. Krebs William C. Rowland T. Gene Dillahunty Patrick C. Keane Bruce J. Boggs, Jr. William H. Benz Peter K. Skiff Richard J. McGrath Matthew L. Schneider Michael G. Savage	27,903 30,505 26,057 30,427 25,885 30,888 25,423 32,858 32,344 25,952 31,917 29,195 32,814 32,596	Gerald F. Swiss Michael J. Ure Charles F. Wieland III Bruce T. Wieder Todd R. Walters Ronni S. Jillions Harold R. Brown III Allen R. Baum Steven M. du Bois Brian P. O'Shaughnessy	30,113 33,089 33,096 33,815 34,040 31,979 36,341 36,086 35,023 32,747
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<p>and: _____</p>										
<p>Address all correspondence to: <span style="float: right;">James A. LaBarre BURNS, DOANE, SWECKER &amp; MATHIS, L.L.P. P.O. Box 1404 Alexandria, Virginia 22313-1404</span></p>										
<p>Address all telephone calls to: <u>James A. LaBarre</u> at (703) 836-6620.</p>										
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>										
FULL NAME OF SOLE OR FIRST INVENTOR		SIGNATURE		DATE						
Ben Zhong TANG										
RESIDENCE - Apt. 15, 1 University Road, Hong Kong University of Science & Technology, Clear Water Bay, Kowloon, HONG KONG			CITIZENSHIP							
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FULL NAME OF SECOND JOINT INVENTOR, IF ANY		SIGNATURE		DATE						
Wing Yip LAM										
RESIDENCE - Room 1831, Fung Chak House, Choz Wan Estate, Kowloon, HONG KONG			CITIZENSHIP							
POST OFFICE ADDRESS Room 1831, Fung Chak House, Choz Wan Estate, Kowloon, HONG KONG										
FULL NAME OF THIRD JOINT INVENTOR, IF ANY		SIGNATURE		DATE						
Xiangxing KONG										
RESIDENCE - Block D, Flat 3A, Junior Staff Quarters Hong Kong University of Science & Technology, Clear Water Bay, Kowloon, HONG KONG			CITIZENSHIP							
POST OFFICE ADDRESS - Block D, Flat 3A, Junior Staff Quarters Hong Kong University of Science & Technology, Clear Water Bay, Kowloon, HONG KONG										

<b>COMBINED DECLARATION AND POWER OF ATTORNEY</b>		Attorney's Docket No. 016660-021	
FULL NAME OF FOURTH JOINT INVENTOR, IF ANY Hoi Sing KWOK		SIGNATURE	
RESIDENCE - Tower 7, 9B, Hong Kong University of Science & Technology, Clear Water Bay, Kowloon, HONG KONG		CITIZENSHIP	
POST OFFICE ADDRESS - Tower 7, 9B Hong Kong University of Science & Technology, Clear Water Bay, Kowloon, HONG KONG			
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY		SIGNATURE	
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF SIXTH JOINT INVENTOR, IF ANY		SIGNATURE	
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY		SIGNATURE	
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF EIGHTH JOINT INVENTOR, IF ANY		SIGNATURE	
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF NINTH JOINT INVENTOR, IF ANY		SIGNATURE	
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF TENTH JOINT INVENTOR, IF ANY		SIGNATURE	
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF ELEVENTH JOINT INVENTOR, IF ANY		SIGNATURE	
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF TWELFTH JOINT INVENTOR, IF ANY		SIGNATURE	
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			

## PATENT APPLICATION ASSIGNMENT

WHEREAS, we, Ben Zhong TANG, having a correspondence address of Apt. 15, 1 University Road, HKUST, Clear Water Bay, Kowloon, Hong Kong, and Wing Yip LAM, having a correspondence address of Rm 1831, Fung Chak House, Choz Wan Estate, Kowloon, Hong Kong, and Xiangxing KONG, having a correspondence address of Block D, Flat 3A, Junior Staff Quarters, HKUST, Clear Water Bay, Kowloon, Hong Kong, and Hoi Sing KWOK, having a correspondence address of Tower 7, 9B, HKUST, Clear Water Bay, Kowloon, Hong Kong, have invented new and useful improvements in

### Acetylene Polymers And Their Use As Liquid Crystals

for which application is being made for Letters Patent.


WHEREAS, The Hong Kong University of Science & Technology having a correspondence address at Clear Water Bay, Kowloon, Hong Kong, is desirous of acquiring our entire right, title and interest in said application and any Letters Patent which may issue thereon:

NOW THEREFORE, be it known by all whom it may concern that for and in consideration of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and other good and valuable consideration, we hereby assign to said organization for the territory of the United States of America and the entire world our entire right, title and interest in and to said invention, patent application and patent, including all priority rights for patent applications foreign to the United States of America.

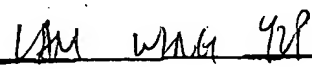
WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of said organization, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention, applications and patents, and we authorize the Commissioner of Patents and Trademarks to issue Letters Patent to said organization.

IN TESTIMONY WHEREOF, we execute this assignment on the 29<sup>th</sup> day of October, 1999.


Date: 29<sup>th</sup> Oct. 1999

  
(signature of Ben Zhong TANG)

Date: 29<sup>th</sup> Oct. 1999

  
(signature of Wing Yip LAM)

Date: Oct. 29. 1999.

  
(signature of Xiangxing KONG)

Date: 29/10/99

  
(signature of Hoi Sing KWOK)